

WEST Search History

Hide Items

Restore

Clear

Cancel

DATE: Tuesday, March 23, 2004

Hide? Set Name Query

Hit Count

DB=PGPB,USPT; PLUR=YES; OP=ADJ

<input type="checkbox"/>	L18	L17 and l12	3
<input type="checkbox"/>	L17	L16 and (protein or enzyme)	3
<input type="checkbox"/>	L16	L15 and (cbh1or cbh2 or eg1or eg2 or eg3 or eg5 or xln1 or xln2)	3
<input type="checkbox"/>	L15	L14 and (vector or plasmid or dna or nucleic acid or nucleotide or polynucleotide)	10
<input type="checkbox"/>	L14	L13 and (filamentous fungi)	10
<input type="checkbox"/>	L13	xylanase secretion sequence or xylanase secretion or xylanase secret\$7	19
<input type="checkbox"/>	L12	L11 or l10 or l9 or l8 or l7 or l6 or l5 or l4 or l3 or l2 or l1	41477
<input type="checkbox"/>	L11	(530/350)!.ccls.	13648
<input type="checkbox"/>	L10	(536/23.2)!.ccls.	10597
<input type="checkbox"/>	L9	(536/23.1)!.ccls.	10172
<input type="checkbox"/>	L8	(435/320.1)!.ccls.	22975
<input type="checkbox"/>	L7	(435/254.6)!.ccls.	74
<input type="checkbox"/>	L6	(435/254.11)!.ccls.	1355
<input type="checkbox"/>	L5	(435/254.1)!.ccls.	707
<input type="checkbox"/>	L4	(435/209)!.ccls.	425
<input type="checkbox"/>	L3	(435/183)!.ccls.	4442
<input type="checkbox"/>	L2	(435/183)!.ccls.	4442
<input type="checkbox"/>	L1	(435/69.1)!.ccls.	17110

END OF SEARCH HISTORY

Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6635464 B1

Using default format because multiple data bases are involved.

L18: Entry 1 of 3

File: USPT

Oct 21, 2003

US-PAT-NO: 6635464

DOCUMENT-IDENTIFIER: US 6635464 B1

TITLE: Xylanases, genes encoding them, and uses thereof

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paloheimo; Marja	Vantaa			FI
Hakola; Satu	Perttula			FI
Mantyla; Arja	Helsinki			FI
Vehmaanpera; Jari	Klaukkala			FI
Lantto; Raija	Klaukkala			FI
Lahtinen; Tarja	Vantaa			FI
Fagerstrom; Richard	Espoo			FI
Suominen; Pirkko	Helsinki			FI

US-CL-CURRENT: [435/200](#); [435/183](#); [435/252.3](#); [435/254.11](#); [435/254.3](#); [435/254.6](#); [435/320.1](#); [435/69.1](#); [536/23.2](#); [536/23.7](#); [536/23.74](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Fwd Refs	Bkwd Refs	Claims	KWC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	--------------------------	---------------------------	------------------------	---------------------	---------------------------	-----------------------

☐ 2. Document ID: US 6228629 B1

L18: Entry 2 of 3

File: USPT

May 8, 2001

US-PAT-NO: 6228629

DOCUMENT-IDENTIFIER: US 6228629 B1

**** See image for Certificate of Correction ****

TITLE: Xylanases, genes encoding them, and uses thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Fwd Refs	Bkwd Refs	Claims	KWC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	--------------------------	---------------------------	------------------------	---------------------	---------------------------	-----------------------

☐ 3. Document ID: US 6015703 A

L18: Entry 3 of 3

File: USPT

Jan 18, 2000

US-PAT-NO: 6015703

DOCUMENT-IDENTIFIER: US 6015703 A

TITLE: Genetic constructs and genetically modified microbes for enhanced production of beta-

=> d full his

:- (FILE 'HOME' ENTERED AT 11:13:14 ON 23 MAR 2004)

FILE 'HCAPLUS' ENTERED AT 11:16:56 ON 23 MAR 2004

E XYLANASE SECRETION SEQUENCE/CT

E XYLANASE (L) SECRETION

E XYLANASE/CT

E E3+ALL

L1 324 SEA ABB=ON PLU=ON XYLANASE (L) (SECRET?)

L2 72 SEA ABB=ON PLU=ON L1 (L) (VECTOR OR PLASMID OR DNA OR
NUCLEIC ACID OR NUCLEOTIDE OR POLYNUCLEOTIDE)

D TI 1

E FILAMENTOUS FUNGI/CT

E E3+ALL

L3 2 SEA ABB=ON PLU=ON L2 (L) (FILAMENTOUS FUNGI OR (FUNGI (L)

=> d ibib ab 1

L3. ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:517565 HCAPLUS
DOCUMENT NUMBER: 127:202072
TITLE: Production and secretion of proteins of bacterial origin in filamentous fungi
INVENTOR(S): Mantyla, Arja; Paloheimo, Marja; Lantto, Raija; Fagerstrom, Richard; Lahtinen, Tarja; Suominen, Pirkko; Vehmaanpera, Jari
PATENT ASSIGNEE(S): Alko Group Ltd., Finland; Mantyla, Arja; Paloheimo, Marja; Lantto, Raija; Fagerstrom, Richard; Lahtinen, Tarja; Suominen, Pirkko; Vehmaanpera, Jari
SOURCE: PCT Int. Appl., 127 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9727306	A1	19970731	WO 1997-FI37	19970124
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6300114	B1	20011009	US 1996-590563	19960126
AU 9715477	A1	19970820	AU 1997-15477	19970124
EP 876494	A1	19981111	EP 1997-901640	19970124
R: BE, CH, DE, DK, ES, FR, LI, NL, SE, PT, IE, FI				
US 2003148453	A1	20030807	US 2002-286993	20020813
PRIORITY APPLN. INFO.:				
			US 1996-590563	A 19960126
			US 1994-282001	B2 19940729
			US 1994-332412	B2 19941031
			US 1995-468812	A2 19950606
			WO 1997-FI37	W 19970124
			US 1998-120804	B1 19980723

AB Described is an improved production of bacterial proteins in filamentous fungus, e.g. in Trichoderma and Aspergillus. The improvement is achieved by constructing expression vectors, which comprise the bacterial protein encoding DNA sequences fused in frame with a DNA sequence encoding a filamentous fungus secretable protein or one or more functional domains of the protein. Filamentous fungus hosts transformed with such expression vectors secrete the desired proteins or enzymes, especially xylanases or cellulases originating from bacteria or more preferably from actinomycetes into the culture medium of the host. The desired proteins or enzymes can be used directly from the culture medium after separation of host cells or recovered and treated using down-stream processes, which are appropriate for the resp. application. Xylanases or cellulases from actinomycetes produced using the above expression vectors are most suitable for treating plant derived materials, e.g. in pulp and paper industries.

=> d ibib ab 2

L3 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1993:464567 HCAPLUS
DOCUMENT NUMBER: 119:64567
TITLE: Cloning and structural organization of a xylanase-encoding gene from Penicillium chrysogenum
AUTHOR(S): Haas, Hubertus; Friedlin, Ernst; Stoeffler, Georg; Redl, Bernhard
CORPORATE SOURCE: Med. Fak., Univ. Innsbruck, Innsbruck, A-6020, Austria
SOURCE: Gene (1993), 126(2), 237-42

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB The filamentous fungus, *P. chrysogenum*, is able to grow on xylan as a sole carbon source. Under these conditions, high levels of a **xylanase** (XYLP) are **secreted** into the medium. After purification and characterization of this enzyme, both the encoding cDNA and the genomic sequence were isolated by using oligodeoxyribonucleotides derived from partial amino acid (aa) sequences of the purified enzyme. The gene is .apprx.1.6 kb in length, and comparison of the **nucleotide** (nt) sequence of the genomic and the cDNA clone revealed the presence of 10 exons and 9 introns. All intron/exon splice junctions exactly follow the GT/AG rule, except for the 7th intron which shows atypical AT/AC splice sites. The immediate 5'-flanking region of the first exon contains one putative CCAAT consensus sequence and a perfect TATA box. Primer extension anal. revealed 2 transcription start points located 38 and 34 nt upstream from the ATG start codon. A sequence of 23 aa representing a typical signal peptide is present at the N-terminus of the deduced aa sequence. Northern blot anal. of total cellular RNA indicated that xylP encodes a 1.3-kb transcript which is induced by xylan. The aa sequence of XYLP shows considerable homol. to high-Mr acidic **xylanases** (Xln) and cellulases from different bacteria, yeasts, and **fungi**.

'=> d full his

(FILE 'HOME' ENTERED AT 11:25:59 ON 23 MAR 2004)

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DGENE,
DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, ..' ENTERED AT
11:26:18 ON 23 MAR 2004

L1	3263	SEA	ABB=ON	PLU=ON	XYLANASE (L) SECRET?
L2	1464	SEA	ABB=ON	PLU=ON	L1 (L) (VECTOR OR PLASMID OR DNA OR NUCLEIC ACID OR NUCLEOTIDE OR POLYNUCLEOTIDE)
L3	363	SEA	ABB=ON	PLU=ON	L2 (L) (FILAMENTOUS FUNGI OR (FUNGI (L) FILAMENTOUS))
L4	336	DUP	REM	L3	(27 DUPLICATES REMOVED) D TI 1 D TI 2
L5	360	SEA	ABB=ON	PLU=ON	L3 (L) SEQUENCE
L6	47	SEA	ABB=ON	PLU=ON	L4 AND PY<1999
L7	47	DUP	REM	L6	(0 DUPLICATES REMOVED)

=> d 1

L7 ANSWER 1 OF 47 USPATFULL on STN
AN 2003:176299 USPATFULL
TI Xylanase production
IN van Gorcom, Robert F. M., Delft, NETHERLANDS
Hessing, Johanna G. M., Delft, NETHERLANDS
Maat, Jan, Monster, NETHERLANDS
Roza, Martinus, Strijen, NETHERLANDS
Verbakel, Johannes Maria A., Maasland, NETHERLANDS
PA Quest International, B.V., Naarden, NETHERLANDS (non-U.S. corporation)
PI US 6586209 B1 20030701
WO 9119782 19911226 <--
AI US 1993-955726 19930218 (7)
WO 1991-EP1135 19910618
PRAI NL 1990-1388 19900619
DT Utility
FS GRANTED
LN.CNT 2260
INCL INCLM: 435/069.200
INCLS: 435/069.100; 435/203.000; 435/209.000; 435/252.300; 435/325.000;
536/023.740; 536/023.200; 530/324.000; 426/549.000; 426/592.000;
426/660.000; 426/656.000; 426/496.000
NCL NCLM: 435/069.200
NCLS: 426/496.000; 426/549.000; 426/592.000; 426/656.000; 426/660.000;
435/069.100; 435/203.000; 435/209.000; 435/252.300; 435/325.000;
530/324.000; 536/023.200; 536/023.740
IC [7]
ICM: C12N015-09
ICS: C12N009-30; C12N009-42; C12N001-22
EXF 536/23.2; 536/23.74; 435/69.1; 435/201; 435/203; 435/252.3; 435/252.31;
435/254.2; 435/254.3; 435/254.6; 435/254.23; 435/254.21; 435/209;
435/69.2; 435/325; 426/549; 426/656; 426/496; 426/660; 426/592; 530/324
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 1-47

L7 ANSWER 1 OF 47 USPATFULL on STN
AN 2003:176299 USPATFULL
TI Xylanase production
IN van Gorcom, Robert F. M., Delft, NETHERLANDS
Hessing, Johanna G. M., Delft, NETHERLANDS
Maat, Jan, Monster, NETHERLANDS
Roza, Martinus, Strijen, NETHERLANDS
Verbakel, Johannes Maria A., Maasland, NETHERLANDS
PA Quest International, B.V., Naarden, NETHERLANDS (non-U.S. corporation)
PI US 6586209 B1 20030701
WO 9119782 19911226 <--
AI US 1993-955726 19930218 (7)
WO 1991-EP1135 19910618
PRAI NL 1990-1388 19900619
DT Utility
FS GRANTED
LN.CNT 2260
INCL INCLM: 435/069.200
INCLS: 435/069.100; 435/203.000; 435/209.000; 435/252.300; 435/325.000;
536/023.740; 536/023.200; 530/324.000; 426/549.000; 426/592.000;
426/660.000; 426/656.000; 426/496.000
NCL NCLM: 435/069.200
NCLS: 426/496.000; 426/549.000; 426/592.000; 426/656.000; 426/660.000;
435/069.100; 435/203.000; 435/209.000; 435/252.300; 435/325.000;
530/324.000; 536/023.200; 536/023.740
IC [7]
ICM: C12N015-09
ICS: C12N009-30; C12N009-42; C12N001-22
EXF 536/23.2; 536/23.74; 435/69.1; 435/201; 435/203; 435/252.3; 435/252.31;
435/254.2; 435/254.3; 435/254.6; 435/254.23; 435/254.21; 435/209;

435/69.2; 435/325; 426/549; 426/656; 426/496; 426/660; 426/592; 530/324
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 47 USPATFULL on STN
AN 2003:53674 USPATFULL
TI Expression element
IN Rasmussen, Preben, Kirke Hyllinge, DENMARK
PA Danisco A/S, Copenhagen, DENMARK (non-U.S. corporation)
PI US 6524816 B1 20030225
WO 9838321 19980903 <--
AI US 1999-367891 19991203 (9)
WO 1998-IB312 19980302
19991203 PCT 371 date
PRAI GB 1997-4157 19970228
DT Utility
FS GRANTED
LN.CNT 1769
INCL INCLM: 435/069.100
INCLS: 435/254.100; 435/410.000; 536/024.100
NCL NCLM: 435/069.100
NCLS: 435/254.100; 435/410.000; 536/024.100
IC [7]
ICM: C12P021-00
ICS: C12N001-15; C12N005-00; C07H021-04
EXF 435/69.1; 435/254.1; 435/410; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 47 USPATFULL on STN
AN 2002:201869 USPATFULL
TI Gene conversion as a tool for the construction of recombinant industrial
filamentous fungi
IN Selten, Gerardus Cornelis Maria, Sterrenweg 81, 2651 HZ Berkel EN
Rodenrijs, NETHERLANDS
Swinkels, Bart Willem, Schutterstraat 5, 2611 MX Delft, NETHERLANDS
Bovenberg, Roelof Ary Lans, 's-Gravenweg 121, 3062 ZD Rotterdam,
NETHERLANDS
PI US 6432672 B1 20020813
WO 9846772 19981022 <--
AI US 2000-402631 20000124 (9)
WO 1998-EP2070 19980409
20000124 PCT 371 date
PRAI EP 1997-201091 19970411
DT Utility
FS GRANTED
LN.CNT 2606
INCL INCLM: 435/069.100
INCLS: 435/254.110; 435/254.300; 435/254.400; 435/254.500; 435/254.600;
435/254.700; 435/254.800; 435/254.900; 435/477.000
NCL NCLM: 435/069.100
NCLS: 435/254.110; 435/254.300; 435/254.400; 435/254.500; 435/254.600;
435/254.700; 435/254.800; 435/254.900; 435/477.000
IC [7]
ICM: C12P021-02
ICS: C12N001-15; C12N015-80
EXF 435/483; 435/254.1; 435/254.3-254.9; 435/471; 435/69.1; 435/254.11;
435/477
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 47 USPATFULL on STN
AN 2001:136401 USPATFULL
TI Regulatory sequence of cellulase cbh1 genes originating in trichoderma
viride and system for mass-producing proteins or peptides therewith
IN Watanabe, Manabu, Odawara, Japan
Moriya, Tatsuki, Odawara, Japan
Aoyagi, Kaoru, Odawara, Japan
Sumida, Naomi, Odawara, Japan
Murakami, Takeshi, Odawara, Japan
PA Meiji Seika Kaisha, Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 6277596 B1 20010821

WO 9811239 19980319 <--

AI US 1999-254733 19990507 (9)
 WO 1997-JP3268 19970916
 19990507 PCT 371 date
 19990507 PCT 102(e) date

PRAI JP 1996-243695 19960913
 DT Utility
 FS GRANTED
 LN.CNT 1192

INCL INCLM: 435/069.100
 INCLS: 435/252.300; 435/254.600; 435/320.100; 536/024.100

NCL NCLM: 435/069.100
 NCLS: 435/252.300; 435/254.600; 435/320.100; 536/024.100

IC [7]
 ICM: C12P021-06
 ICS: C12N009-00; C12N001-20; C12N015-00

EXF 435/177.12; 435/200; 435/263; 435/264; 435/277; 435/278; 435/325;
 435/320.1; 435/69.1; 435/254.3; 435/252.3; 435/254.6; 536/23.2;
 536/24.3; 536/24.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 47 USPATFULL on STN
 AN 2001:97651 USPATFULL
 TI Recombinant hexose oxidase, a method of producing same and use of such
 enzyme
 IN Stougaard, Peter, Skibby, Denmark
 Hansen, Ole Cai, Copenhagen, Denmark
 PA Bioteknologisk Institut, Denmark (non-U.S. corporation)
 PI US 6251626 B1 20010626
 WO 9640935 19961219 <--

AI US 1996-669304 19960911 (8)
 WO 1996-DK238 19960604
 19960911 PCT 371 date
 19960911 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1995-476910, filed on 7 Jun 1995,
 now abandoned
 DT Utility
 FS GRANTED
 LN.CNT 2736

INCL INCLM: 435/069.100
 INCLS: 435/069.700; 435/252.300; 435/190.000; 435/320.100; 426/019.000;
 536/023.200; 536/023.400

NCL NCLM: 435/069.100
 NCLS: 426/019.000; 435/069.700; 435/190.000; 435/252.300; 435/320.100;
 536/023.200; 536/023.400

IC [7]
 ICM: C12N009-04
 ICS: C12N015-53; C12N015-74; C12N015-79

EXF 435/69.1; 435/189; 435/192; 435/252.3; 435/252.33; 435/254.2;
 435/254.21; 435/254.23; 435/320.1; 536/23.2; 426/52; 426/523; 426/549;
 426/524

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 47 USPATFULL on STN
 AN 2001:10723 USPATFULL
 TI Method to isolate mutants and to clone the complementing gene
 IN De Graaff, Leendert Hendrik, Oosterbeek, Netherlands
 Van Den Broeck, Henrietta Catharina, Bennekom, Netherlands
 Visser, Jacob, Wageningen, Netherlands
 PA Danisco Ingredients A/S (Danisco A/S), Brabrand, Denmark (non-U.S.
 corporation)
 PI US 6177261 B1 20010123
 WO 9700962 19970109 <--

AI US 1997-981729 19971223 (8)
 WO 1996-NL259 19960624
 19971223 PCT 371 date
 19971223 PCT 102(e) date

PRAI EP 1995-20107 19950623
 EP 1995-202346 19950830

DT Utility
 FS Granted
 LN.CNT 2466
 INCL INCLM: 435/069.100
 INCLS: 435/254.110; 435/320.100; 536/023.740; 536/024.100
 NCL NCLM: 435/069.100
 NCLS: 435/254.110; 435/320.100; 536/023.740; 536/024.100
 IC [7]
 ICM: C12N001-15
 ICS: C12N015-11; C12N015-80; C12P021-06
 EXF 435/69.1; 435/252.3; 435/254.11; 435/254.2; 435/254.21; 435/254.3;
 435/254.5; 435/254.6; 435/254.7; 435/320.1; 435/410; 536/23.1; 536/23.2;
 536/23.5; 536/23.74; 536/24.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 47 USPATFULL on STN
 AN 2000:77218 USPATFULL
 TI Endo β -1,4-glucanase from Aspergillus
 IN Madrid, Susan, Vedbaek, Denmark
 Rasmussen, Preben, Lyngby, Denmark
 Baruch, Anita, Glostrup, Denmark
 PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
 PI US 6077702 20000620
 WO 9629415 19960926 <--
 AI US 1998-913264 19980406 (8)
 WO 1996-EP1008 19960311
 19980406 PCT 371 date
 19980406 PCT 102(e) date

PRAI GB 1995-5475 19950317
 DT Utility
 FS Granted
 LN.CNT 1490
 INCL INCLM: 435/209.000
 INCLS: 435/195.000; 435/277.000; 435/320.100; 435/276.000; 536/023.200
 NCL NCLM: 435/209.000
 NCLS: 435/195.000; 435/276.000; 435/277.000; 435/320.100; 536/023.200
 IC [7]
 ICM: C12N009-42
 ICS: C12N009-14; D21C001-00; C13J007-00
 EXF 435/209; 435/195; 435/277; 435/276; 435/320.1; 536/23.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 47 USPATFULL on STN
 AN 1999:75548 USPATFULL
 TI Enzyme and enzyme preparation with endoglucanase activity
 IN Schulein, Martin, Copenhagen .O slashed., Denmark
 Oxenb.o slashed.ll, Karen Margrethe, Charlottenlund, Denmark
 Andersen, Lene Nonboe, Birker.o slashed.d, Denmark
 Lassen, S.o slashed.ren Flensted, Copenhagen .O slashed., Denmark
 Kauppinen, Markus Sakari, Copenhagen N, Denmark
 Nielsen, Jack Bech, Hellerup, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5919691 19990706
 WO 9611262 19960418 <--
 AI US 1997-809763 19970320 (8)
 WO 1995-DK400 19951006
 19970326 PCT 371 date
 19970326 PCT 102(e) date

PRAI DK 1994-1160 19941006
 DK 1994-1296 19941111
 DT Utility
 FS Granted
 LN.CNT 2395
 INCL INCLM: 435/209.000
 INCLS: 435/255.200; 435/256.100; 435/256.700; 435/320.100; 536/023.200
 NCL NCLM: 435/209.000
 NCLS: 435/255.200; 435/256.100; 435/256.700; 435/320.100; 536/023.200
 IC [6]
 ICM: C12N009-42

ICS: C12N015-55

EXF 435/320.11; 435/255.2; 435/256.1; 435/256.7; 435/209; 536/27.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 47 USPATFULL on STN

AN 1999:21948 USPATFULL

TI Enzyme with endo-1,3(4)- β - Glucanase activity

IN Kofod, Lene Venke, Upperl.o slashed.se, Denmark

Andersen, Lene Nonboe, Birker.o slashed.d, Denmark

Kauppinen, Markus Sakari, K.o slashed.benhavn N, Denmark

Christgau, Stephan, Gentofte, Denmark

Dalb.o slashed.ge, Henrik, Virum, Denmark

Olsen, Hans Sejr, Holte, Denmark

Breinholt, Jens, Bagsv.ae buttet.rd, Denmark

PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

PI US 5871966 19990216

WO 9531533 19951123

<--

AI US 1996-737526 19961108 (8)

WO 1995-DK188 19950511

19961212 PCT 371 date

19961216 PCT 102(e) date

PRAI DK 1994-546 19940511

DT Utility

FS Granted

LN.CNT 1299

INCL INCLM: 435/074.000

INCLS: 435/200.000; 435/201.000; 435/274.000; 435/277.000

NCL NCLM: 435/074.000

NCLS: 435/200.000; 435/201.000; 435/274.000; 435/277.000

IC [6]

ICM: C12P019-44

ICS: C12N009-24; C12N009-20; C08B001-00

EXF 435/200; 435/201; 435/209; 435/274; 435/277; 435/74

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 47 USPATFULL on STN

AN 1999:12794 USPATFULL

TI Cloning and expression of DNA molecules encoding arabinan-degrading
enzymes of fungal origin

IN Van Heuvel, Margaretha, Leiden, Netherlands

Bakhuis, Janna Gardina, Delft, Netherlands

Coutel, Yves, Ennevelin, France

Harder, Abraham, Berkel en Rodenrijs, Netherlands

De Graaff, Leendert Hendrick, Oosterbeek, Netherlands

Flipphi, Michel Johannes Anthonie, Wageningen, Netherlands

Van Der Veen, Peter, Wageningen, Netherlands

Visser, Jacob, Wageningen, Netherlands

Andreoli, Peter Michael, Bellegem-Kortrijk, Netherlands

PA Gist-brocades, N.V., Netherlands (non-U.S. corporation)

PI US 5863783 19990126

WO 9217592 19921018

<--

AI US 1992-952853 19921125 (7)

WO 1991-NL9200056 19910327

19921125 PCT 371 date

19921125 PCT 102(e) date

PRAI EP 1991-200720 19910327

DT Utility

FS Granted

LN.CNT 3157

INCL INCLM: 435/200.000

INCLS: 435/069.100; 435/072.000; 435/252.300; 435/252.310; 435/172.300;

435/254.110; 435/254.210; 435/254.300; 435/254.600; 435/320.100;

536/023.200; 935/014.000; 935/028.000; 935/068.000; 935/069.000

NCL NCLM: 435/200.000

NCLS: 435/069.100; 435/072.000; 435/252.300; 435/252.310; 435/254.110;

435/254.210; 435/254.300; 435/254.600; 435/320.100; 536/023.200

IC [6]

ICM: C12N009-24

ICS: C12N015-56; C12N015-74; C12N015-80

EXF 435/69.1; 435/200; 435/252.3; 435/320.1; 435/254.3; 435/72; 435/252.31;
435/254.21; 435/254.6; 435/172.3; 536/23.2

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 47 USPATFULL on STN
AN 1998:162318 USPATFULL
TI Mannanase enzymes, genes coding for them and a method for isolating the
genes, as well as a process for bleaching of lignocellulosic pulp
IN Buchert, Johanna, Espoo, Finland
Siika-aho, Matti, Helsinki, Finland
Viikari, Liisa, Helsinki, Finland
Penttila, Merja, Helsinki, Finland
Saloheimo, Anu, Helsinki, Finland
Ranua, Marjatta, Lohja, Finland
PA Rohm Enzyme Finland OY, Rajamaki, Finland (non-U.S. corporation)
PI US 5854047 19981229 <--
AI US 1997-911020 19970813 (8)
RLI Continuation of Ser. No. US 1994-341568, filed on 22 Nov 1994, now
patented, Pat. No. US 5661021
PRAI FI 1992-2373 19920522
FI 1993-1193 19930317
DT Utility
FS Granted
LN.CNT 988
INCL INCLM: 435/209.000
INCLS: 435/252.300; 435/254.110; 435/254.600; 435/256.700; 435/256.800
NCL NCLM: 435/209.000
NCLS: 435/252.300; 435/254.110; 435/254.600; 435/256.700; 435/256.800
IC [6]
ICM: C12N009-42
ICS: C12N001-20; C12N001-14; C12N001-16
EXF 435/209; 435/252.3; 435/254.11; 435/254.6; 435/256.7; 435/256.8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 47 USPATFULL on STN
AN 1998:161978 USPATFULL
TI Penicillium purpurogenum mutanases and nucleic acids encoding same
IN Berka, Randy M., Davis, CA, United States
Christgau, Stephan, Gentofte, Denmark
Halkier, Torben, Frederiksberg C, Denmark
Shuster, Jeff, Davis, CA, United States
Fuglsang, Claus Crone, Copenhagen, Denmark
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
Novo Nordisk Biotech, Inc., Davis, CA, United States (U.S. corporation)
PI US 5853702 19981229 <--
AI US 1997-797366 19970207 (8)
RLI Continuation-in-part of Ser. No. US 1996-598881, filed on 9 Feb 1996,
now abandoned
DT Utility
FS Granted
LN.CNT 1917
INCL INCLM: 424/050.000
INCLS: 424/094.610; 435/200.000; 435/252.300; 435/320.100; 435/933.000;
530/350.000; 536/023.200
NCL NCLM: 424/050.000
NCLS: 424/094.610; 435/200.000; 435/252.300; 435/320.100; 435/933.000;
530/350.000; 536/023.200
IC [6]
ICM: A61K001-28
ICS: C12N009-24; C07K001-00; C07H021-04
EXF 424/50; 424/94.61; 435/200; 435/933; 435/69.1; 435/252.3; 435/320.1;
536/23.2; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 47 USPATFULL on STN
AN 1998:157168 USPATFULL
TI Arabinoxylan degrading enzymes
IN Van Der Wouw, Monique Josina Andrea, Delft, Netherlands
Van Ooijen, Albert Johannes Joseph, Voorburg, Netherlands

Gielkens, Marcus Matheus Catharina, Wageningen, Netherlands
De Graaff, Leendert Hendrik, Oosterbeek, Netherlands
Visser, Jacob, Wageningen, Netherlands
PA Gist-brocades, B.V., Netherlands (non-U.S. corporation)
PI US 5849559 19981215 <--
WO 9606935 19960307 <--
AI US 1996-637763 19960805 (8)
WO 1995-EP3395 19950828
19960805 PCT 371 date
19960805 PCT 102(e) date
PRAI EP 1994-202442 19940826
DT Utility
FS Granted
LN.CNT 1897
INCL INCLM: 435/209.000
INCLS: 435/252.300; 435/254.300; 435/320.100; 435/913.000; 435/917.000;
536/023.200; 536/024.100
NCL NCLM: 435/209.000
NCLS: 435/252.300; 435/254.300; 435/320.100; 435/913.000; 435/917.000;
536/023.200; 536/024.100
IC [6]
ICM: C12N009-42
ICS: C12N001-14; C12N001-00; C07H021-04
EXF 435/209; 435/252.3; 435/254.3; 435/320.1; 435/913; 435/917; 536/23.2;
536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 47 USPATFULL on STN
AN 1998:143919 USPATFULL
TI Enzyme preparations and methods for their production
IN Suominen, Pirkko, Helsinki, Finland
Nevalainen, Helena, North Epping, Australia
Saarelainen, Ritva, Helsinki, Finland
Paloheimo, Marja, Helsinki, Finland
Fagerstrom, Richard, Espoo, Finland
PA Alko-Yhtiöt Oy, Helsinki, Finland (non-U.S. corporation)
PI US 5837515 19981117 <--
AI US 1993-121436 19930916 (8)
RLI Continuation-in-part of Ser. No. US 1993-78478, filed on 18 Jun 1993,
now abandoned which is a continuation-in-part of Ser. No. US
1992-889893, filed on 29 May 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1990-524308, filed on 16 May 1990,
now patented, Pat. No. US 5298405
DT Utility
FS Granted
LN.CNT 2886
INCL INCLM: 435/200.000
INCLS: 435/252.300; 435/254.110; 435/254.600; 435/320.100; 435/325.000;
536/023.200; 536/023.740
NCL NCLM: 435/200.000
NCLS: 435/252.300; 435/254.110; 435/254.600; 435/320.100; 435/325.000;
536/023.200; 536/023.740
IC [6]
ICM: C12N001-21
ICS: C12N009-24; C12N015-56; C12N015-63
EXF 536/23.74; 536/23.2; 435/320.1; 435/252.3; 435/240.2; 435/254.6;
435/254.1; 435/200; 435/254.11; 435/325
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 47 USPATFULL on STN
AN 1998:138722 USPATFULL
TI Glucose oxidases obtained from a cladosporium
IN Oxenb.o slashed.11, Karen M., Charlottenlund, Denmark
Si, Joan Qi, Laufen, Switzerland
Aagaard, Jesper, Lyngby, Denmark
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 5834280 19981110 <--
AI US 1996-746283 19961107 (8)
RLI Continuation-in-part of Ser. No. US 1995-446645, filed on 25 May 1995

PRAI DK 1994-504 19940503
DT Utility
FS Granted
LN.CNT 2274
INCL INCLM: 435/190.000
INCLS: 435/911.000
NCL NCLM: 435/190.000
NCLS: 435/911.000
IC [6]
ICM: C12N009-04
ICS: C12N001-00
EXF 435/190; 435/911
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 16 OF 47 USPATFULL on STN
AN 1998:138694 USPATFULL
TI Methods of modifying carbohydrate moieties
IN Maras, Marleen, Gentbrugge, Belgium
Contreras, Roland, Merelbeke, Belgium
PA Alko Group Ltd., Helsinki, Finland (non-U.S. corporation)
PI US 5834251 19981110 <--
AI US 1994-366800 19941230 (8)
DT Utility
FS Granted
LN.CNT 1940
INCL INCLM: 435/071.100
INCLS: 435/072.000; 435/085.000; 435/097.000; 435/099.000; 435/069.100;
435/171.000; 435/068.100
NCL NCLM: 435/071.100
NCLS: 435/068.100; 435/069.100; 435/072.000; 435/085.000; 435/097.000;
435/099.000; 435/171.000
IC [6]
ICM: C12P021-00
ICS: C12P019-18; C12P001-02
EXF 435/71.1; 435/85; 435/97; 435/99; 435/171; 435/72; 435/69.1; 435/68.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 17 OF 47 USPATFULL on STN
AN 1998:134884 USPATFULL
TI Enzyme with acetyl esterase activity
IN Christgau, Stephen, Gentofte, Denmark
Sandal, Thomas, Copenhagen, Denmark
Kauppinen, Markus Sakari, Copenhagen, Denmark
Halkier, Torben, Frederiksberg, Denmark
Dalb.o slashed.ge, Henrik, Virum, Denmark
PA Novo Nordisk A/S, Bassvaerd, Denmark (non-U.S. corporation)
PI US 5830734 19981103 <--
WO 9502689 19950126 <--
AI US 1996-578592 19960104 (8)
WO 1994-DK285 19940713
19960104 PCT 371 date
19960104 PCT 102(e) date

PRAI DK 1993-839 19930713
DT Utility
FS Granted
LN.CNT 1079
INCL INCLM: 435/197.000
INCLS: 435/018.000; 435/101.000; 435/196.000; 435/267.000; 435/274.000;
435/278.000
NCL NCLM: 435/197.000
NCLS: 435/018.000; 435/101.000; 435/196.000; 435/267.000; 435/274.000;
435/278.000
IC [6]
ICM: C12Q001-44
ICS: C12N009-18; C07G017-00; D21C003-00
EXF 435/101; 435/196; 435/225; 435/267; 435/274; 435/278; 435/197; 435/18;
435/19; 426/635
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 18 OF 47 USPATFULL on STN
 AN 1998:128125 USPATFULL
 TI Orpinomyces xylanase proteins and coding sequences
 IN Li, Xin-Liang, Athens, GA, United States
 Ljungdahl, Lars G., Athens, GA, United States
 Chen, Huizhong, Athens, GA, United States
 PA University of Georgia Research Foundation, Inc., Athens, GA, United States (U.S. corporation)
 PI US 5824533 19981020 <--
 AI US 1995-445090 19950519 (8)
 DT Utility
 FS Granted
 LN.CNT 1418
 INCL INCLM: 435/209.000
 INCLS: 536/023.740; 536/023.200
 NCL NCLM: 435/209.000
 NCLS: 536/023.200; 536/023.740
 IC [6]
 ICM: C07H021-04
 ICS: C12N009-42
 EXF 435/183; 435/200; 435/205; 435/201; 435/209; 435/69.1; 435/69.8;
 435/71.1; 435/320.1; 435/252.3; 536/23; 536/74; 536/23.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 19 OF 47 USPATFULL on STN
 AN 1998:122255 USPATFULL
 TI Animal feed additives
 IN Hansen, Peter Kamp, Bagsvaerd, Denmark
 Wagner, Peter, Bagsvaerd, Denmark
 Mullertz, Anette, Bagsvaerd, Denmark
 Knap, Inge Helmer, Bagsvaerd, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5817500 19981006 <--
 AI US 1997-886765 19970701 (8)
 PRAI DK 1995-94 19950126
 DT Utility
 FS Granted
 LN.CNT 1610
 INCL INCLM: 435/200.000
 INCLS: 435/006.000; 435/252.300; 435/254.110; 435/254.300; 435/320.100;
 435/325.000; 536/023.200; 536/024.300
 NCL NCLM: 435/200.000
 NCLS: 435/006.000; 435/252.300; 435/254.110; 435/254.300; 435/320.100;
 435/325.000; 536/023.200; 536/024.300
 IC [6]
 ICM: C12N009-24
 ICS: C12N015-00; C12N001-14; C07H021-04
 EXF 435/6; 435/200; 435/252.3; 435/254.11; 435/325; 435/320.1; 435/254.3;
 536/23.2; 536/24.3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 20 OF 47 USPATFULL on STN
 AN 1998:115607 USPATFULL
 TI Enzyme with rhamnogalacturonase activity
 IN Kofod, Lene Venke, Uggerl.o slashed.se, Denmark
 Andersen, Lene Nonboe, Birker.o slashed.d, Denmark
 Dalb.o slashed.ge, Henrik, Virum, Denmark
 Kauppinen, Markus Sakari, Copenhagen, Denmark
 Christgau, Stephan, Vedb.o slashed.k, Denmark
 Heldt-Hansen, Hans Peter, Virum, Denmark
 Christophersen, Claus, Ringsted, Denmark
 Nielsen, Per Munk, Hiller.o slashed.d, Denmark
 Voragen, Alphons Gerard Joseph, Wageningen, Netherlands
 Schols, Hendrik Arie, Wageningen, Netherlands
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5811291 19980922 <--
 WO 9420612 19940915 <--
 AI US 1995-522229 19950925 (8)
 WO 1994-DK97 19940304

19950925 PCT 371 date
19950925 PCT 102(e) date

PRAI DK 1993-244 19930305
DT Utility
FS Granted
LN.CNT 1515
INCL INCLM: 435/275.000
INCLS: 435/200.000; 435/208.000; 435/274.000
NCL NCLM: 435/275.000
NCLS: 435/200.000; 435/208.000; 435/274.000
IC [6]
ICM: C12N009-24
ICS: C08B001-00; C08B030-04
EXF 435/200; 435/208; 435/209; 435/274; 435/275; 435/277
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 21 OF 47 USPATFULL on STN
AN 1998:98786 USPATFULL
TI Purified Myceliophthora laccases and nucleic acids encoding same
IN Berka, Randy Michael, Davis, CA, United States
Brown, Stephen H., Davis, CA, United States
Xu, Feng, Woodland, CA, United States
Schneider, Palle, Ballerup, Denmark
Oxenb.o slashed.ll, Karen M., Charlottenlund, Denmark
Aaslyng, Dorrit A., Vaerloese, Denmark
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
Novo Nordisk Biotech, Inc., Davis, CA, United States (U.S. corporation)
PI US 5795760 19980818 <--
AI US 1997-940661 19970929 (8)
RLI Continuation of Ser. No. US 1995-441146, filed on 15 May 1995, now
abandoned which is a continuation-in-part of Ser. No. US 1994-253781,
filed on 3 Jun 1994, now abandoned
DT Utility
FS Granted
LN.CNT 1247
INCL INCLM: 435/189.000
INCLS: 435/069.100; 435/071.100; 435/243.000; 435/252.300; 435/254.110;
435/254.300; 435/320.100; 435/172.300; 536/023.200; 935/014.000;
935/027.000; 935/034.000; 935/056.000; 935/066.000; 935/068.000
NCL NCLM: 435/189.000
NCLS: 435/069.100; 435/071.100; 435/243.000; 435/252.300; 435/254.110;
435/254.300; 435/320.100; 536/023.200
IC [6]
ICM: C12N015-53
ICS: C12N009-02; C12N001-15; C12N015-63
EXF 536/23.2; 435/69.1; 435/71.1; 435/172.3; 435/189; 435/243; 435/252.3;
435/254.11; 435/254.3; 435/320.1; 935/14; 935/27; 935/34; 935/56;
935/66; 935/68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 22 OF 47 USPATFULL on STN
AN 1998:72456 USPATFULL
TI DNA constructs and methods of producing xylanolytic enzymes
IN Outtrup, Helle, Bellerup, Denmark
Dambmann, Claus, S.o slashed.borg, Denmark
Olsen, Arne Agerlin, Virum, Denmark
Bisg.ang.rd-Frantzen, Henrik, Lyngby, Denmark
Schulein, Martin, Copenhagen, Denmark
Jorgensen, Per Linaa, Copenhagen, Denmark
PA NovoNordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 5770424 19980623 <--
AI US 1996-698978 19960816 (8)
RLI Continuation-in-part of Ser. No. US 1996-470398, filed on 6 Jun 1996
which is a continuation of Ser. No. US 1994-343600, filed on 30 Nov
1994, now abandoned
DT Utility
FS Granted
LN.CNT 732
INCL INCLM: 435/200.000

INCLS: 435/200.000; 435/252.300; 435/252.310; 435/320.100; 536/023.200
NCL NCLM: 435/200.000
NCLS: 435/252.300; 435/252.310; 435/320.100; 536/023.200
IC [6]
ICM: C12N009-24
ICS: C12N001-20; C12N015-00; C07H021-04
EXF 435/200; 435/320.1; 435/252.3; 435/252.31; 435/25.3; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 23 OF 47 USPATFULL on STN
AN 1998:72405 USPATFULL
TI Modification of cryptic splice sites in heterologous genes expressed in
fungi
IN Thompson, Sheryl, Davis, CA, United States
PA Novo Nordisk Biotech, Inc., Davis, CA, United States (U.S. corporation)
PI US 5770371 19980623 <--
AI US 1996-672158 19960627 (8)
DT Utility
FS Granted
LN.CNT 1321
INCL INCLM: 435/006.000
INCLS: 435/091.400; 435/254.110; 435/320.100; 435/069.100; 536/023.100
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/091.400; 435/254.110; 435/320.100; 536/023.100
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; C12N001-15; C07H021-04
EXF 435/69.1; 435/91.1; 435/240.1; 435/254.11; 435/6; 435/8; 435/71.1;
435/91.4; 435/320.1; 530/300; 530/350; 536/23.1; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 24 OF 47 USPATFULL on STN
AN 1998:65048 USPATFULL
TI Method to alter the properties of acetylated xylan
IN De Graaff, Leendert H., Oosterbeek, Netherlands
Visser, Jacob, Wageningen, Netherlands
Van Den Broeck, Henriette C., Ede, Netherlands
Strozyk, Francois, Leforest, France
Kormelink, Felix J. M., Bennekom, Netherlands
Boonman, Johannes C. P., Haarlem, Netherlands
PA Gist-brocades, B.V., Netherlands (non-U.S. corporation)
PI US 5763260 19980609 <--
AI US 1995-401136 19950308 (8)
RLI Division of Ser. No. US 1992-851976, filed on 16 Mar 1992, now patented,
Pat. No. US 5426043
PRAI EP 1991-200579 19910318
DT Utility
FS Granted
LN.CNT 968
INCL INCLM: 435/274.000
INCLS: 435/101.000; 435/197.000; 435/278.000; 426/053.000; 426/054.000;
426/635.000; 426/656.000
NCL NCLM: 435/274.000
NCLS: 426/053.000; 426/054.000; 426/635.000; 426/656.000; 435/101.000;
435/197.000; 435/278.000
IC [6]
ICM: C12S003-02
ICS: C12S003-08; C12N009-18; A23K001-00
EXF 435/101; 435/197; 435/274; 435/278; 426/53; 426/54; 426/635; 426/656
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 25 OF 47 USPATFULL on STN
AN 1998:54730 USPATFULL
TI Trichoderma longibrachiatum EGI11 cellulase
IN Ward, Michael, Half Moon Bay, CA, United States
Clarkson, Kathleen A., San Francisco, CA, United States
Larenas, Edmund A., San Carlos, CA, United States
Lorch, Jeffrey D., Hudson, WI, United States
Weiss, Geoffrey L., San Francisco, CA, United States

PA Genencor International, Inc., Rochester, NY, United States (U.S.
corporation)
PI US 5753484 19980519 <--
AI US 1995-438870 19950510 (8)
RLI Division of Ser. No. US 1993-32848, filed on 17 Mar 1993, now patented,
Pat. No. US 5475101 which is a continuation-in-part of Ser. No. US
1992-862846, filed on 3 Apr 1992, now patented, Pat. No. US 5328841
which is a continuation-in-part of Ser. No. US 1991-707647, filed on 30
May 1991, now patented, Pat. No. US 5290474 which is a
continuation-in-part of Ser. No. US 1991-668640, filed on 13 Mar 1991,
now abandoned which is a continuation-in-part of Ser. No. US
1990-593919, filed on 5 Oct 1990, now abandoned, said Ser. No. US
-32848 which is a continuation-in-part of Ser. No. US 1991-678865, filed
on 21 Mar 1991, now patented, Pat. No. US 5246853 which is a
continuation-in-part of Ser. No. US -593919
DT Utility
FS Granted
LN.CNT 780
INCL INCLM: 435/209.000
INCLS: 435/183.000; 435/195.000; 530/350.000; 530/371.000; 424/094.610
NCL NCLM: 435/209.000
NCLS: 424/094.610; 435/183.000; 435/195.000; 530/350.000; 530/371.000
IC [6]
ICM: C12N009-42
ICS: C12N009-00; C12N009-14; C07K001-00
EXF 530/300; 530/350; 530/371; 435/183; 424/94.61; 424/94.1; 424/94.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 26 OF 47 USPATFULL on STN
AN 1998:14660 USPATFULL
TI Transformed industrial bacillus strains and methods for making and using
them
IN Sanders, Johan Pieter Marinus, Delft, Netherlands
Van den Berg, Johannes Abel, Reeuwijk, Netherlands
Andreoli, Peter Michael, Bellegem, Belgium
Vos, Yvonne Johanna, IJssel, Netherlands
van Ee, Jan Hendrik, Huizen, Netherlands
Mulleners, Leo J. S. M., Rijen, Netherlands
PA Gist-Brocades, Delft, Netherlands (non-U.S. corporation)
PI US 5716807 19980210 <--
AI US 1996-698785 19960816 (8)
RLI Continuation of Ser. No. US 1992-993785, filed on 21 Dec 1992, now
patented, Pat. No. US 5624829 which is a continuation of Ser. No. US
1991-658173, filed on 19 Feb 1991, now abandoned which is a continuation
of Ser. No. US 1987-15110, filed on 17 Feb 1987, now abandoned which is
a continuation-in-part of Ser. No. US 1984-627589, filed on 3 Jul 1984,
now abandoned
DT Utility
FS Granted
LN.CNT 927
INCL INCLM: 435/069.100
INCLS: 435/202.000; 435/212.000; 435/172.300; 435/252.310
NCL NCLM: 435/069.100
NCLS: 435/202.000; 435/212.000; 435/252.310; 435/454.000
IC [6]
ICM: C12P021-02
ICS: C12N009-28; C12N009-48; C12N001-21
EXF 435/69.1; 435/172.1; 435/172.3; 435/202; 435/320.1; 435/252.3;
435/252.31; 435/212; 435/222; 435/219
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 27 OF 47 USPATFULL on STN
AN 1998:1645 USPATFULL
TI Process for producing/secreting a protein by a transformed mould using
expression/secretion regulating regions derived from a aspergillus
endoxylanase II gene
IN Gouka, Robertus Johannes, The Hague, Netherlands
van den Hondel, Cornelis Antonius, Gouda, Netherlands
Musters, Wouter, Maassluis, Netherlands

Stam, Hein, Diemen, Netherlands
 Verbakel, Johannes Maria, Maasland, Netherlands
 PA Unilever Patent Holdings B.V., Vlaardingen, Netherlands (non-U.S.
 corporation)
 PI US 5705358 19980106 <--
 WO 9312237 19930624 <--
 AI US 1994-244686 19940607 (8)
 WO 1992-EP2896 19921209
 19940607 PCT 371 date
 19940607 PCT 102(e) date

PRAI NL 1991-2051 19911209
 DT Utility
 FS Granted
 LN.CNT 1262
 INCL INCLM: 435/069.100
 INCLS: 435/172.300
 NCL NCLM: 435/069.100
 IC [6]
 ICM: C12N015-62
 ICS: C12P021-02
 EXF 435/69.1; 435/68.1; 435/9.4; 435/172.3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:517565 CAPLUS
 DN 127:202072
 TI Production and secretion of proteins of bacterial origin in filamentous
 fungi
 IN Mantyla, Arja; Paloheimo, Marja; Lantto, Raija; Fagerstrom, Richard;
 Lahtinen, Tarja; Suominen, Pirkko; Vehmaanpera, Jari
 PA Alko Group Ltd., Finland; Mantyla, Arja; Paloheimo, Marja; Lantto, Raija;
 Fagerstrom, Richard; Lahtinen, Tarja; Suominen, Pirkko; Vehmaanpera, Jari
 SO PCT Int. Appl., 127 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9727306	A1	19970731	WO 1997-FI37	19970124 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,				
	RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,				
	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				
	IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,				
	MR, NE, SN, TD, TG				
	US 6300114	B1	20011009	US 1996-590563	19960126
	AU 9715477	A1	19970820	AU 1997-15477	19970124 <--
	EP 876494	A1	19981111	EP 1997-901640	19970124 <--
	R: BE, CH, DE, DK, ES, FR, LI, NL, SE, PT, IE, FI				
	US 2003148453	A1	20030807	US 2002-286993	20020813
PRAI	US 1996-590563	A	19960126		
	US 1994-282001	B2	19940729		
	US 1994-332412	B2	19941031		
	US 1995-468812	A2	19950606		
	WO 1997-FI37	W	19970124		
	US 1998-120804	B1	19980723		

L7 ANSWER 29 OF 47 USPATFULL on STN
 AN 97:112353 USPATFULL
 TI Enzymes with xylanase activity from Aspergillus aculeatus
 IN Kofod, Lene Venke, Ugerloese, Denmark
 Kauppinen, Markus Sakari, Copenhagen, Denmark
 Christgau, Stephan, Vedbaek, Denmark
 Heldt-Hansen, Hans Peter, Virum, Denmark
 Dalb.o slashed.ge, Henrik, Esbjerg, Denmark
 Andersen, Lene Nonboe, Birker.o slashed.d, Denmark

Si, Joan Qi, Klampenborg, Denmark
 Jacobsen, Tina Sejersg.ang.rd, Copenhagen, Denmark
 Munk, Niels, Frederiksberg, Denmark
 Mullertz, Anette, Charlottenlund, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5693518 19971202 <--
 WO 9421785 19940929 <--
 AI US 1996-507431 19960215 (8)
 WO 1994-DK88 19940302
 19960215 PCT 371 date
 19960215 PCT 102(e) date
 PRAI DK 1993-268 19930310
 DK 1993-1151 19931014
 DT Utility
 FS Granted
 LN.CNT 2056
 INCL INCLM: 435/200.000
 INCLS: 435/252.300; 435/254.100; 435/254.200; 435/254.300; 435/320.100;
 536/023.200; 536/023.740
 NCL NCLM: 435/200.000
 NCLS: 435/252.300; 435/254.100; 435/254.200; 435/254.300; 435/320.100;
 536/023.200; 536/023.740
 IC [6]
 ICM: C12N009-24
 ICS: C12N001-22; C12N015-00; C07H021-04
 EXF 435/200; 435/252.3; 435/254.1; 435/254.2; 435/254.3; 435/209; 435/320.1;
 536/23.2; 536/23.74
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 30 OF 47 USPATFULL on STN
 AN 97:99185 USPATFULL
 TI Cloning and expression of acetyl xylan esterases from fungal origin
 IN De Graaff, Leendert H., Oosterbeek, Netherlands
 Visser, Jacob, Wageningen, Netherlands
 Van Den Broeck, Henriette C., Ede, Netherlands
 Strozyk, Francois, Leforest, France
 Kormelink, Felix J. M., Bennekom, Netherlands
 Boonman, Johannes C. P., Haarlem, Netherlands
 PA Gist-brocades, B.V., Netherlands (non-U.S. corporation)
 PI US 5681732 19971028 <--
 AI US 1994-291609 19940817 (8)
 RLI Continuation of Ser. No. US 1992-851976, filed on 16 Mar 1992, now
 patented, Pat. No. US 5426043
 PRAI EP 1991-200579 19910318
 DT Utility
 FS Granted
 LN.CNT 992
 INCL INCLM: 435/197.000
 INCLS: 435/069.100; 435/071.200; 435/252.300; 435/252.310; 435/320.100;
 435/172.300; 435/254.200; 435/254.300; 536/023.200; 935/014.000;
 935/029.000; 935/056.000
 NCL NCLM: 435/197.000
 NCLS: 435/069.100; 435/071.200; 435/252.300; 435/252.310; 435/254.200;
 435/254.300; 435/320.100; 536/023.200
 IC [6]
 ICM: C12N015-55
 ICS: C12N009-18; C12N001-15; C12N015-63
 EXF 435/69.1; 435/71.2; 435/197; 435/252.3; 435/252.31; 435/320.1;
 435/172.3; 435/254.2; 435/254.3; 536/23.2; 935/14; 935/29; 935/56
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 31 OF 47 USPATFULL on STN
 AN 97:91492 USPATFULL
 TI Detergent compositions containing protease and novel inhibitors for use
 therein
 IN Mikkelsen, Jan M.o slashed.ller, Gentofte, Denmark
 Svendsen, Allan, Birker.o slashed.d, Denmark
 Diderichsen, B.o slashed.rge, Birker.o slashed.d, Denmark
 Clausen, Ib Groth, Charlottenlund, Denmark

PA Novo Nordisk A/S, Novo Alle, Denmark (non-U.S. corporation)
 PI US 5674833 19971007 <--
 AI US 1995-435241 19950505 (8)
 RLI Continuation of Ser. No. US 1992-827688, filed on 28 Jan 1992, now
 abandoned
 PRAI DK 1990-2237 19900918
 DT Utility
 FS Granted
 LN.CNT 810
 INCL INCLM: 510/530.000
 INCLS: 210/393.000; 210/392.000; 435/188.000; 435/219.000; 435/220.000;
 435/221.000; 435/222.000; 435/264.000; 435/320.100; 435/069.100
 NCL NCLM: 510/530.000
 NCLS: 435/069.100; 435/188.000; 435/219.000; 435/220.000; 435/221.000;
 435/222.000; 435/264.000; 435/320.100; 510/392.000; 510/393.000
 IC [6]
 ICM: C11D003-386
 EXF 252/174.12; 252/DIG.12; 435/188; 435/219-222; 435/264; 435/320.1;
 435/69.1; 510/392; 510/530; 510/393
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 32 OF 47 USPATFULL on STN
 AN 97:83817 USPATFULL
 TI Aspergillus expression system
 IN Berka, Randy Michael, Davis, CA, United States
 Yoder, Wendy, Winters, CA, United States
 Takagi, Shinobu, Davis, CA, United States
 Boominathan, Karuppan Chettier, Davis, CA, United States
 PA Novo Nordisk Biotech, Inc., Davis, CA, United States (U.S. corporation)
 PI US 5667990 19970916 <--
 AI US 1995-458023 19950601 (8)
 RLI Continuation of Ser. No. US 1993-161675, filed on 1 Dec 1993, now
 abandoned
 DT Utility
 FS Granted
 LN.CNT 1299
 INCL INCLM: 435/069.100
 INCLS: 435/172.300; 435/254.300; 536/023.200; 536/023.740
 NCL NCLM: 435/069.100
 NCLS: 435/254.300; 536/023.200; 536/023.740
 IC [6]
 ICM: C12P021-02
 ICS: C12N015-11; C12N001-15; C07H021-04
 EXF 435/254.3; 435/69.1; 435/172.3; 536/23.2; 536/23.74
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 33 OF 47 USPATFULL on STN
 AN 97:81137 USPATFULL
 TI Recombinant production of glucoamylase P in trichoderma
 IN Torkkeli, Tuula, Helsinki, Finland
 Joutsjoki, Vesa, Helsinki, Finland
 Torkkeli, Helena, Helsinki, Finland
 Vainio, Arja, Helsinki, Finland
 Fagerstrom, Richard, Espoo, Finland
 Aho, Sirpa, Helsinki, Finland
 Korhola, Matti, Helsinki, Finland
 Nevalainen, Helena, North Epping, Australia
 PA Alko-Yhiot Oy, Finland (non-U.S. corporation)
 PI US 5665585 19970909 <--
 AI US 1995-385370 19950207 (8)
 RLI Continuation of Ser. No. US 1993-104853, filed on 12 Aug 1993, now
 abandoned And a continuation-in-part of Ser. No. US 1992-937789, filed
 on 3 Sep 1992, now abandoned
 DT Utility
 FS Granted
 LN.CNT 3635
 INCL INCLM: 435/203.000
 INCLS: 435/069.100; 435/172.300; 435/183.000; 435/201.000; 435/210.000;
 435/254.600; 435/256.800; 435/320.100; 536/023.100; 536/023.200;

536/023.740
NCL NCLM: 435/203.000
NCLS: 435/069.100; 435/183.000; 435/201.000; 435/210.000; 435/254.600;
435/256.800; 435/320.100; 536/023.100; 536/023.200; 536/023.740
IC [6]
ICM: C12N001-15
ICS: C12N009-30; C12N015-56
EXF 435/69.1; 435/183; 435/201; 435/203; 435/210; 435/254.6; 435/256.8;
435/172.3; 435/320.1; 536/23.1; 536/23.2; 536/23.74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 34 OF 47 USPATFULL on STN
AN 97:76006 USPATFULL
TI Mannanase enzymes, genes coding for them and a method for isolating the
genes, as well as a process for bleaching of lignocellulosic pulp
IN Buchert, Johanna, Espoo, Finland
Siika-aho, Matti, Helsinki, Finland
Viikari, Liisa, Helsinki, Finland
Penttila, Merja, Helsinki, Finland
Saloheimo, Anu, Helsinki, Finland
Ranua, Marjatta, Lohja, Finland
PA Alko Ltd., Helsinki, Finland (non-U.S. corporation)
PI US 5661021 19970826 <--
WO 9324622 19931209 <--
AI US 1994-341568 19941122 (8)
WO 1993-FI219 19930524
19941122 PCT 371 date
19941122 PCT 102(e) date
PRAI FI 1992-2373 19920522
FI 1993-1193 19930317
DT Utility
FS Granted
LN.CNT 962
INCL INCLM: 435/209.000
INCLS: 435/256.700; 435/278.000
NCL NCLM: 435/209.000
NCLS: 435/256.700; 435/278.000
IC [6]
ICM: C12N009-42
ICS: C12N001-14; D21C003-00
EXF 435/4; 435/69.1; 435/71.1; 435/172.3; 435/200; 435/254.6; 435/255.2;
435/278; 435/209
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 35 OF 47 USPATFULL on STN
AN 97:63924 USPATFULL
TI Methods for stonewashing fabrics using endoglucanases
IN Clarkson, Kathleen A., San Francisco, CA, United States
Larenas, Edmund, Moss Beach, CA, United States
Weiss, Geoffrey, San Francisco, CA, United States
Bower, Benjamin S., San Francisco, CA, United States
PA Genencor International, Inc., South San Francisco, CA, United States
(U.S. corporation)
PI US 5650322 19970722 <--
AI US 1992-954113 19920930 (7)
RLI Continuation-in-part of Ser. No. US 1991-677385, filed on 19 Mar 1991,
now abandoned And a continuation-in-part of Ser. No. US 1991-678865,
filed on 29 Mar 1991, now abandoned And a continuation-in-part of Ser.
No. US 1991-770049, filed on 4 Oct 1991, now abandoned , each Ser. No.
US - which is a continuation-in-part of Ser. No. US 1990-593919, filed
on 5 Oct 1990, now abandoned
DT Utility
FS Granted
LN.CNT 1654
INCL INCLM: 435/263.000
INCLS: 435/209.000; 510/392.000
NCL NCLM: 435/263.000
NCLS: 435/209.000; 510/392.000
IC [6]

ICM: D06M016-00
ICS: C12N009-42; C11D009-40
EXF 435/172.3; 435/69.1; 435/209; 435/254; 435/320.1; 435/263; 252/816;
252/174.12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 36 OF 47 USPATFULL on STN
AN 97:36090 USPATFULL
TI Transformed industrial bacillus strains and methods for making and using
them
IN Sanders, Johan P. M., Delft, Netherlands
van den Berg, Johannes A., Reeuwijk, Netherlands
Andreoli, Peter M., Bellegem Kortrijk, Belgium
Vos, Yvonne J., Capelle a/d Yssel Fe, Netherlands
van Ee, Jan H., Huizen, Netherlands
Mulleners, Leo J. S. M., Rijen, Netherlands
PA Gist-Brocades, B.V., Delft, Netherlands (non-U.S. corporation)
PI US 5624829 19970429 <--
AI US 1992-993785 19921221 (7)
RLI Continuation of Ser. No. US 1991-658173, filed on 19 Feb 1991, now
abandoned which is a continuation of Ser. No. US 1987-15110, filed on 17
Feb 1987, now abandoned which is a continuation-in-part of Ser. No. US
1984-627589, filed on 3 Jul 1984, now abandoned
DT Utility
FS Granted
LN.CNT 1194
INCL INCLM: 435/172.300
INCLS: 435/069.100; 435/172.100; 435/202.000; 435/252.300; 435/252.310;
435/212.000; 435/219.000; 435/222.000; 435/320.100
NCL NCLM: 435/454.000
NCLS: 435/069.100; 435/202.000; 435/212.000; 435/219.000; 435/222.000;
435/252.300; 435/252.310; 435/320.100
IC [6]
ICM: C12N015-03
ICS: C12N001-21; C12N015-75; C12N015-63
EXF 435/172.1; 435/172.3; 435/91; 435/69.1; 435/252.3; 435/252.31;
435/320.1; 435/201; 435/202; 435/212; 435/222; 435/219; 935/52
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 37 OF 47 USPATFULL on STN
AN 97:20417 USPATFULL
TI Cloning and expression of xylanase B
IN van Ooyen, Albert J. J., Voorburg, Netherlands
DeGraaff, Leendert H., Oosterbeek, Netherlands
van den Broeck, Henriette C., Wageningen, Netherlands
Visser, Jacob, Wageningen, Netherlands
PA Gist-brocades, N.V., Ma Delft, Netherlands (non-U.S. corporation)
PI US 5610046 19970311 <--
WO 9414965 19940707 <--
AI US 1994-290979 19941028 (8)
WO 1993-EP3701 19931224
19941028 PCT 371 date
19941028 PCT 102(e) date
PRAI EP 1992-204092 19921224
DT Utility
FS Granted
LN.CNT 1233
INCL INCLM: 435/200.000
INCLS: 435/254.110; 435/320.100; 435/252.300; 536/023.200
NCL NCLM: 435/200.000
NCLS: 435/252.300; 435/254.110; 435/320.100; 536/023.200
IC [6]
ICM: C12N009-24
ICS: C12N001-19; C12N015-63; C07H021-04
EXF 435/200; 435/69.1; 435/320.1; 435/254.11; 536/23.2; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 38 OF 47 USPATFULL on STN
AN 97:1347 USPATFULL

TI Methods of detecting and isolating a ripening form of a polypeptide
 having rhamnogalacturonase activity
 IN Musters, Wouter, Maassluis, Netherlands
 Stam, Hein, Diemen, Netherlands
 Suykerbuyk, Maria E., Utrecht, Netherlands
 Visser, Jacob, Wageningen, Netherlands
 Verbakel, Johannes M., Maasland, Netherlands
 PA Unilever Patent Holdings, B.V., Vlaardingen, Netherlands (non-U.S.
 corporation)
 PI US 5591620 19970107 <--
 AI US 1995-536242 19950929 (8)
 RLI Division of Ser. No. US 1993-61062, filed on 14 May 1993
 PRAI EP 1992-201403 19920515
 DT Utility
 FS Granted
 LN.CNT 2088
 INCL INCLM: 435/201.000
 INCLS: 435/183.000; 435/007.100
 NCL NCLM: 435/201.000
 NCLS: 435/007.100; 435/183.000
 IC [6]
 ICM: C12N009-26
 EXF 435/201; 435/7.1; 435/183; 514/57; 536/8; 426/271; 426/330.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 39 OF 47 USPATFULL on STN
 AN 97:1346 USPATFULL
 TI Aureobasidium pullulans xylanase, gene and signal sequence
 IN Xin-Liang, Li, Athens, GA, United States
 Ljungdahl, Lars G., Athens, GA, United States
 PA University of Georgia Research Foundation, Inc., Athens, GA, United
 States (U.S. corporation)
 PI US 5591619 19970107 <--
 AI US 1994-315695 19940930 (8)
 DT Utility
 FS Granted
 LN.CNT 2284
 INCL INCLM: 435/201.000
 INCLS: 435/069.100; 435/254.210; 536/023.200; 536/023.400
 NCL NCLM: 435/201.000
 NCLS: 435/069.100; 435/254.210; 536/023.200; 536/023.400
 IC [6]
 ICM: C12N001-19
 ICS: C12N015-55; C12N015-62; C12P021-00
 EXF 435/254.21; 435/200; 536/23.2; 536/23.4; 536/23.74
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 40 OF 47 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1997-08393 BIOTECHDS
 TI Synthesis of biotechnologically relevant heterologous proteins in
 filamentous fungi;
 recombinant protein expression and metabolic engineering in e.g.
 Acremonium chrysogenum, Aspergillus spp. or Trichoderma reesei; a
 review
 AU Radzio R; *Kueck U
 CS Univ.Bochum-Ruhr
 LO Lehrstuhl fuer Allgemeine Botanik, Ruhr Universitaet Bochum, D-44780
 Bochum, Germany.
 SO Process Biochem.; (1997) 32, 6, 529-39
 CODEN: 7950W ISSN: 0032-9592
 DT Journal
 LA English

L7 ANSWER 41 OF 47 USPATFULL on STN
 AN 96:77701 USPATFULL
 TI Cloning and expression of DNA encoding a ripening form of a polypeptide
 having rhamnogalacturonase activity
 IN Musters, Wouter, Maassluis, Netherlands
 Stam, Hein, Diemen, Netherlands

Suykerbuyk, Maria E., Utrecht, Netherlands
Visser, Jacob, Wageningen, Netherlands
Verbakel, Johannes M., Maasland, Netherlands

PA Unilever Patent Holdings, B.V., Vlaardingen, Netherlands (non-U.S. corporation)

PI US 5550045 19960827 <--
AI US 1993-61062 19930514 (8)
PRAI EP 1992-201403 19920515
DT Utility
FS Granted
LN.CNT 2423

INCL INCLM: 435/201.000
INCLS: 435/069.100; 435/240.400; 435/252.300; 435/254.110; 435/254.200;
435/254.210; 435/255.100; 435/256.100; 435/320.100; 536/022.100;
536/023.100; 536/023.200; 536/023.740

NCL NCLM: 435/201.000
NCLS: 435/069.100; 435/252.300; 435/254.110; 435/254.200; 435/254.210;
435/255.100; 435/256.100; 435/320.100; 435/419.000; 536/022.100;
536/023.100; 536/023.200; 536/023.740

IC [6]
ICM: C12P021-06
ICS: C12N001-14; C12N009-26; C07H019-00

EXF 435/201; 435/69.1; 435/252.3; 435/320.1; 435/254.11; 435/254.2;
435/254.21; 435/255.1; 435/256.1; 435/240.4; 536/22.1; 536/23.1;
536/23.2; 536/23.74

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 42 OF 47 USPATFULL on STN
AN 95:110549 USPATFULL
TI DNA sequence encoding endoglucanase III cellulase
IN Ward, Michael, Half Moon Bay, CA, United States
Clarkson, Kathleen A., San Francisco, CA, United States
Larenas, Edmund A., San Carlos, CA, United States
Lorch, Jeffrey D., Hudson, WI, United States
Weiss, Geoffrey L., San Francisco, CA, United States

PA Genencor International, Inc., Rochester, NY, United States (U.S. corporation)

PI US 5475101 19951212 <--
AI US 1993-32848 19930317 (8)
RLI Continuation-in-part of Ser. No. US 1992-862846, filed on 3 Apr 1992, now patented, Pat. No. US 5328841 which is a continuation-in-part of Ser. No. US 1991-707647, filed on 30 May 1991, now patented, Pat. No. US 5290474 which is a continuation-in-part of Ser. No. US 1991-668640, filed on 13 Mar 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-593919, filed on 5 Oct 1990, now abandoned And a continuation-in-part of Ser. No. US 1991-678865, filed on 29 Mar 1991, now patented, Pat. No. US 5246853

DT Utility
FS Granted
LN.CNT 834

INCL INCLM: 536/023.740
INCLS: 536/023.200; 435/209.000

NCL NCLM: 536/023.740
NCLS: 435/209.000; 536/023.200

IC [6]
ICM: C12N009-42
ICS: C12N015-56

EXF 536/23.2; 536/23.7; 536/23.74; 435/209

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 43 OF 47 USPATFULL on STN
AN 95:54314 USPATFULL
TI Cloning and expression of acetyl xylan esterases from fungal origin
IN De Graaff, Leendert H., Oosterbeek, Netherlands
Visser, Jacob, Wageningen, Netherlands
Van Den Broeck, Henriette C., Ede, Netherlands
Strozyk, Francois, Leforest, France
Kormelink, Felix J. M., Bennekom, Netherlands
Boonman, Johannes C. P., Haarlem, Netherlands

PA Gist-Brocades, N.V., Delft, Netherlands (non-U.S. corporation)
 PI US 5426043 19950620 <--
 AI US 1992-851976 19920316 (7)
 PRAI EP 1991-200579 19910318
 DT Utility
 FS Granted
 LN.CNT 939
 INCL INCLM: 435/197.000
 INCLS: 435/691.000; 435/712.000; 435/252.300; 435/252.310; 435/320.100;
 435/172.300; 536/023.200; 935/014.000; 935/029.000; 935/056.000;
 426/656.000; 426/635.000
 NCL NCLM: 435/197.000
 NCLS: 426/635.000; 426/656.000; 435/069.100; 435/071.200; 435/252.300;
 435/252.310; 435/320.100; 536/023.200
 IC [6]
 ICM: C12N009-18
 ICS: C12N015-55; A23K001-00
 EXF 435/69.1; 435/71.2; 435/197; 435/252.3; 435/252.31; 435/320.1;
 435/172.3; 536/23.2; 935/14; 935/29; 935/56; 426/656; 426/635
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 44 OF 47 USPATFULL on STN
 AN 94:93243 USPATFULL
 TI Cloning and expression of xylanase genes from fungal origin
 IN van den Broeck, Henriette C., Wageningen, Netherlands
 de Graaff, Leendert H., Arnhem, Netherlands
 Hille, Jan D. R., Bergen op Zoom, Netherlands
 van Ooyen, Albert J. J., Voorburg, Netherlands
 Visser, Jacob, Wageningen, Netherlands
 Harder, Abraham, Berkel en Rodenrijs, Netherlands
 PA Gist-Brocades, N.V., Delft, Netherlands (non-U.S. corporation)
 PI US 5358864 19941025 <--
 WO 9201793 19920206 <--
 AI US 1992-842349 19920427 (7)
 WO 1991-NL137 19910724
 19920427 PCT 371 date
 19920427 PCT 102(e) date
 PRAI EP 1990-2020205 19900724
 DT Utility
 FS Granted
 LN.CNT 2016
 INCL INCLM: 435/209.000
 INCLS: 426/010.000; 426/020.000; 426/635.000; 162/087.000; 435/069.100;
 435/200.000; 435/252.300; 435/320.100; 536/022.100; 536/023.100;
 536/023.200; 536/023.400; 536/023.740; 536/024.100
 NCL NCLM: 435/209.000
 NCLS: 162/087.000; 426/010.000; 426/020.000; 426/635.000; 435/069.100;
 435/200.000; 435/252.300; 435/320.100; 536/022.100; 536/023.100;
 536/023.200; 536/023.400; 536/023.740; 536/024.100
 IC [5]
 ICM: C12N009-42
 ICS: C12N009-24; C07H021-04; C12P021-06
 EXF 426/10; 426/20; 426/635; 162/87; 435/69.1; 435/320.1; 435/252.3;
 435/201; 435/202; 435/203; 435/209; 536/22.1; 536/23.1; 536/23.2;
 536/23.4; 536/23.74; 536/24.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 45 OF 47 USPATFULL on STN
 AN 94:26436 USPATFULL
 TI Enzyme preparations with recombinantly-altered cellulose profiles and
 methods for their production
 IN Nevalainen, Helena, Espoo, Finland
 Knowles, Jonathan, Helsinki, Finland
 Suominen, Pirkko, Vantaa, Finland
 Penttilla, Merja, Helsinki, Finland
 Mantyla, Arja, Espoo, Finland
 PA Alko Limited, Helsinki, Finland (non-U.S. corporation)
 PI US 5298405 19940329 <--
 AI US 1990-524308 19900516 (7)

RLI Continuation-in-part of Ser. No. US 1990-496155, filed on 19 Mar 1990
which is a continuation of Ser. No. US 1987-44077, filed on 29 Apr 1987
DT Utility
FS Granted
LN.CNT 1528
INCL INCLM: 435/209.000
INCLS: 435/069.100; 435/172.300; 435/277.000; 435/278.000; 435/252.300;
435/200.000; 435/232.000; 935/037.000; 935/061.000; 935/064.000;
935/068.000
NCL NCLM: 435/209.000
NCLS: 435/069.100; 435/200.000; 435/232.000; 435/252.300; 435/277.000;
435/278.000
IC [5]
ICM: C12N015-00
ICS: C12N015-56; C12N015-80; C12N015-90
EXF 435/277; 435/278; 435/252.3; 435/69.1; 435/172.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 46 OF 47 USPATFULL on STN
AN 93:69762 USPATFULL
TI Molecular cloning and expression in industrial Bacillus species
IN Sanders, Johan P. M., BV Delft, Netherlands
Van Den Berg, Johannes A., AD Reeuwijk, Netherlands
Andreoli, Peter M., EJ Rotterdam, Netherlands
Vos, Yvonne J., MB Capelle a/d IJssel, Netherlands
Van EE, Jan H., EZ Nieuwerkerk a/d IJssel, Netherlands
Mulleners, Leo J. S. M., SV Rijen, Netherlands
PA Gist-brocades, NV, Netherlands (non-U.S. corporation)
PI US 5238833 19930824 <--
AI US 1991-701596 19910513 (7)
RLI Continuation of Ser. No. US 1987-15110, filed on 17 Feb 1987, now
abandoned which is a continuation-in-part of Ser. No. US 1984-627589,
filed on 3 Jul 1984, now abandoned
PRAI EP 1983-201016 19830706
DT Utility
FS Granted
LN.CNT 955
INCL INCLM: 435/172.300
INCLS: 435/252.310; 435/320.100; 435/069.100; 435/202.000; 435/219.000;
435/222.000; 435/226.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/202.000; 435/219.000; 435/222.000; 435/226.000;
435/252.310; 435/320.100; 435/454.000
IC [5]
ICM: C12N015-03
ICS: C12N001-21; C12N015-75; C12N015-63
EXF 435/202; 435/172.3; 435/320.1; 435/252.31; 435/222; 435/219; 435/226;
435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 47 OF 47 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN
AN 94:20422 AGRICOLA
DN IND20376497
TI Cloning and structural organization of a xylanase-encoding gene from
Penicillium chrysogenum.
AU Haas, H.; Friedlin, E.; Stoffer, G.; Redl, B.
AV DNAL (QH442.A1G4)
SO Gene, 1993. Vol. 126, No. 2. p. 237-242
Publisher: Amsterdam : Elsevier Science Publishers.
CODEN: GENED6; ISSN: 0378-1119
NTE Includes references
CY Netherlands
DT Article
FS Non-U.S. Imprint other than FAO
LA English